

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 03/12729

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16L37/12 F16L23/036 F16L23/028

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 53 129 A (BEHR GMBH & CO) 10 May 2001 (2001-05-10) the whole document	1-4, 10, 12
X	SU 666 363 A (PROKHORENKO YURIJ; PRIVALIKHIN VYACHESLAV A; CHERNOV VLADIMIR D) 5 June 1979 (1979-06-05) figures 1-3	1-4, 6-11
X	US 4 913 468 A (RATTMANN HANS R) 3 April 1990 (1990-04-03) column 1, line 67 - column 2, line 31; figures 1-3	1-8, 10, 12
X	FR 2 188 779 A (CITROEN SA) 18 January 1974 (1974-01-18) page 2, line 32 - page 3, line 30; figures 1-3	1-6, 10, 12
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

26 February 2004

Date of mailing of the international search report

04/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 370 604 A (LAPIDOR S A) 15 July 1963 (1963-07-15) page 1, line 27 - line 50; figures 1-4	1-3,6

C.(Fortsetzung) ALS WESENTLICH ANGESEHENE UNTERLAGEN

Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
X	CH 370 604 A (LAPIDOR S A) 15. Juli 1963 (1963-07-15) Seite 1, Zeile 27 - Zeile 50; Abbildungen 1-4 -----	1-3,6

INTERNATIONALER RESEARCHBERICHT

Angaben zu Veröffentlichungen, die zur selben Patentfamilie gehören

Internationales Patentamt

PCT/EP 03/12729

Im Recherchenbericht angeführtes Patentdokument		Datum der Veröffentlichung	Mitglied(er) der Patentfamilie		Datum der Veröffentlichung
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			FR	2800837 A1	11-05-2001
SU 666363	A	05-06-1979	SU	666363 A1	05-06-1979
US 4913468	A	03-04-1990	CA	2013616 A1	13-10-1990
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